

Abstract of the Disclosure

An enterprise network router interface communicates with a public regional Autonomous System Border Router (ASBR). The ASBR only forwards the enterprise network traffic to the router interface. The router interface redirects data packets to data highly specialized packet processing appliances for parallel processing of VPN and cache application traffic. Policy based routing instructions are imposed on the ASBR for subsequent secure, tunneled transmission. This enterprise routing system and method used within an enterprise imposes routing instructions superceding gateway protocol routing thus allowing VPN and content caching applications to be run efficiently and securely without resort to an enterprise dedicated backbone.